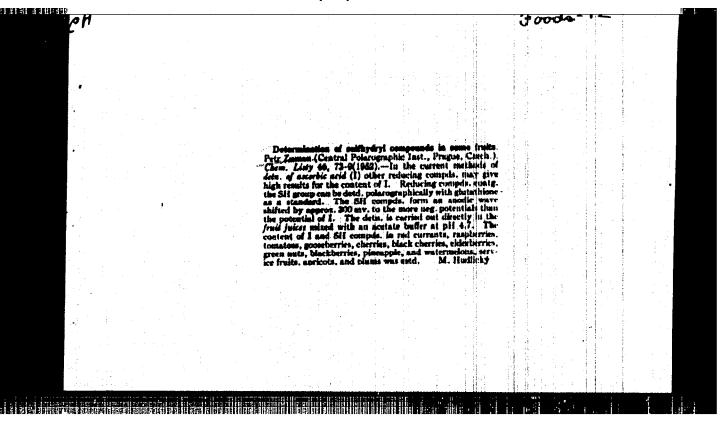
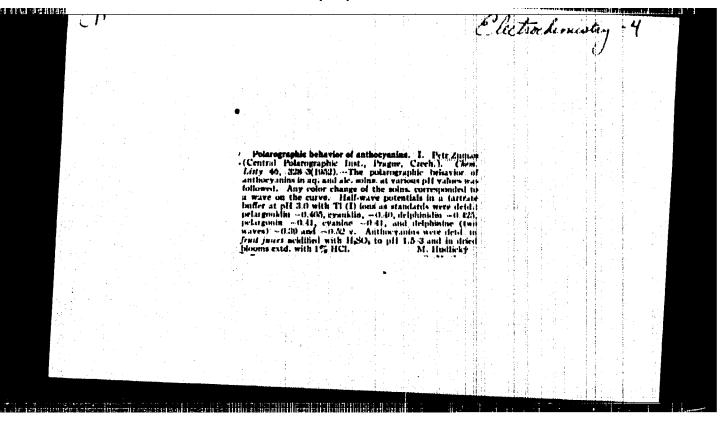
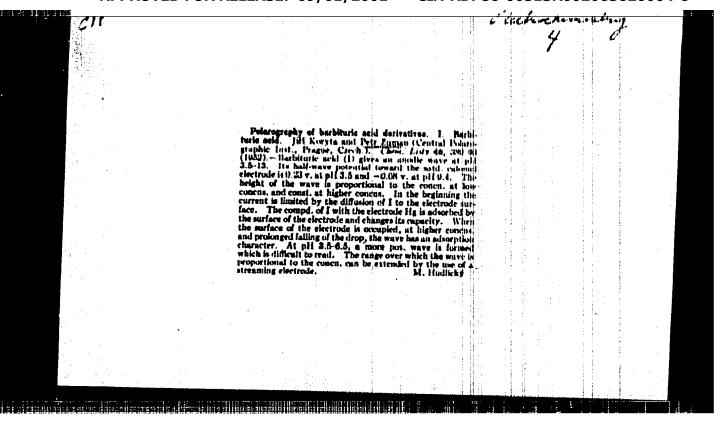
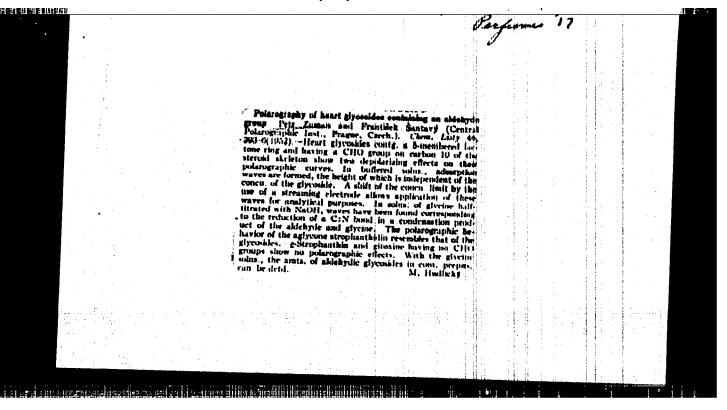


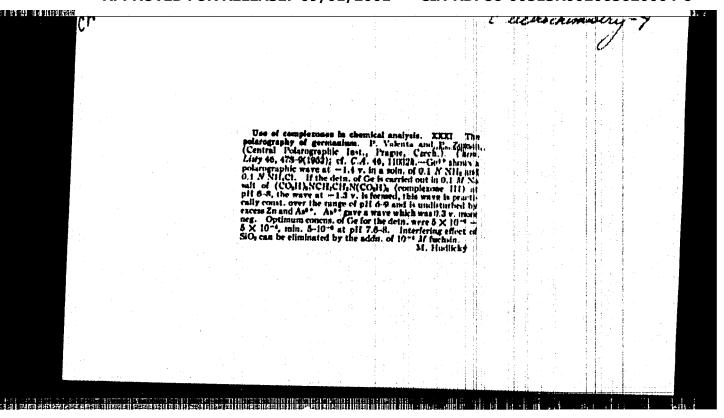
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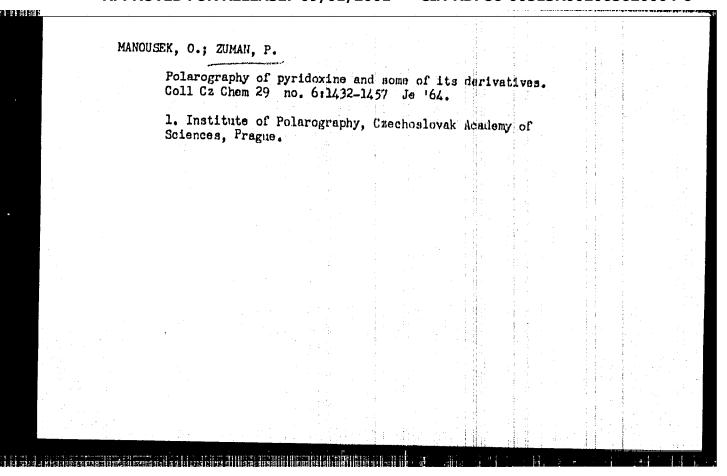


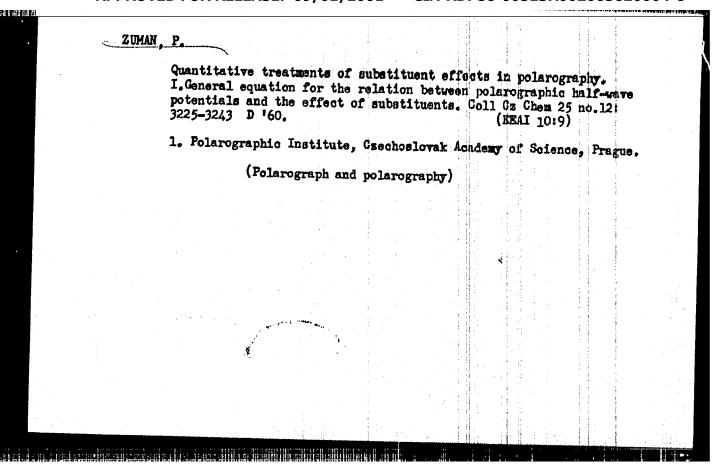


TALVIK, A.; ZUMAN, P.; EXNER, O.

Studies on the inductive effect. Pt.3. Coll Cz Chem 29 no.5; 1266-1276 My '64.

1. Institute of Polarography, Czechoslovak (cademy of Sciences, Prague (for Zuman and Exner). 2. Chemical Department, Tartu State University, Tartu, Estonian S.S.R. (for Talvik).





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	ZUMAN, P.
	Polarographic behavior of anthocyans. Part 1. [in German with summary in Russian]. Sbor.Chekh.khim.rab. 18 no.1:36-2 F 53. (MLRA 7:6)
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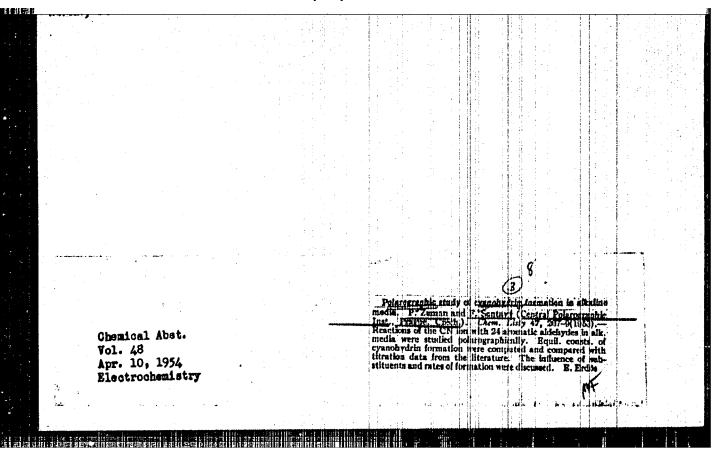
ZUMAN, P.; ZUMANOVA, R.; SOUCEK, B.

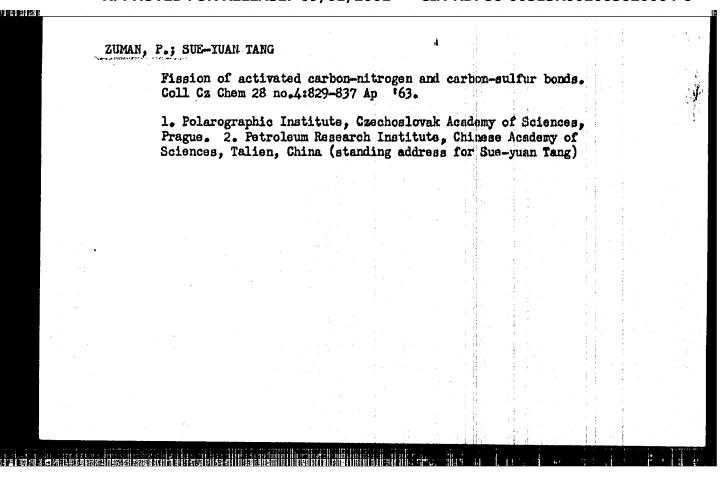
Polarographic determination of carbon bisulfide by anode rays Lin German with summary in Russian]. Sbor.Chekh,khim.rab. 18 no.5:632-647 0 \*53. (MERA 7:6)

1. TSentral'nyy polyarograficheskiy institut i Institut professional'nykh zabolevaniy i trudovoy gigiyeny. (Carbon bisulfide) (Polarograph and polarography)

# ZUMAN P. Polarographic determination of carbon disulphide from its anodic wave. p.178 (Chemicke Listy. Vol. 47, no.2, Feb. 1953) Czechoslovakia S0: Monthly List of East European Accessions, Vol. 2, #8 Library of Congress, August 1953, Incl.

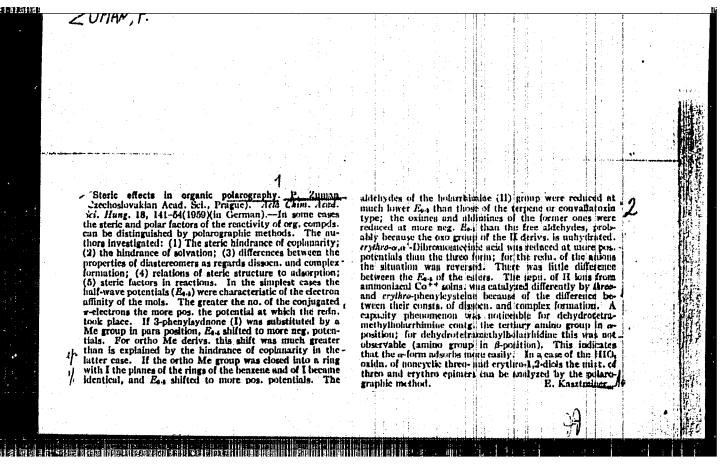
"Polarographic determination of carbon disulphide from its anodic wave." p. 189. (CHEMICKE LISTY, Vol. 17, #2, Feb. 1953, Czechoslovakia)  East European Vol. 2, #8  So: Monthly List of Kińńań Accessions Library of Congress, August 1953, Uncl.		ZUMAI	Ψ, P.												• • • •			i		1		•		,			
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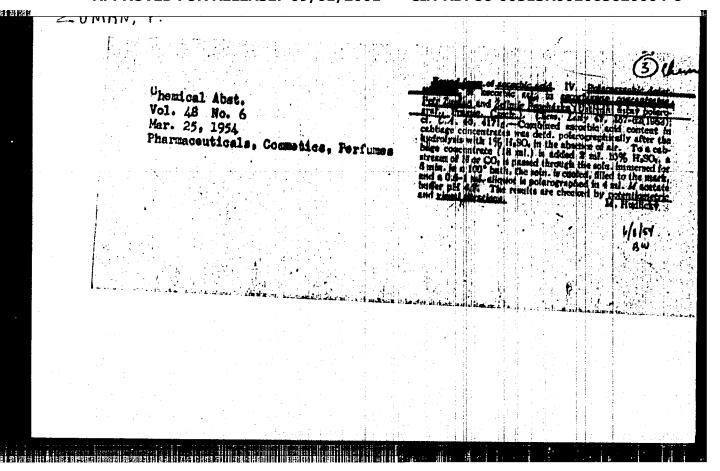


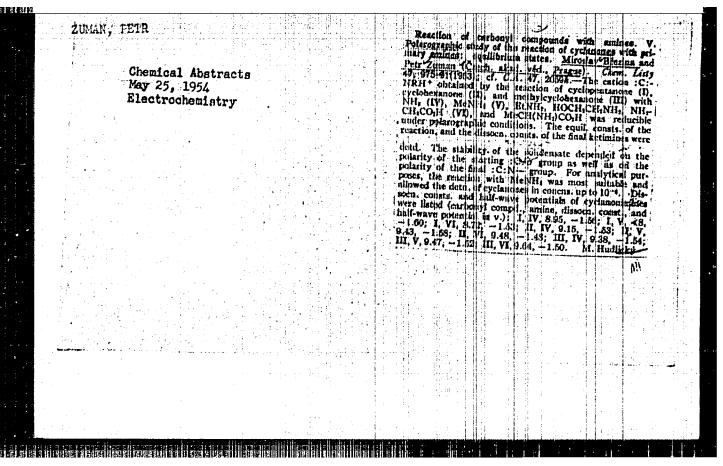


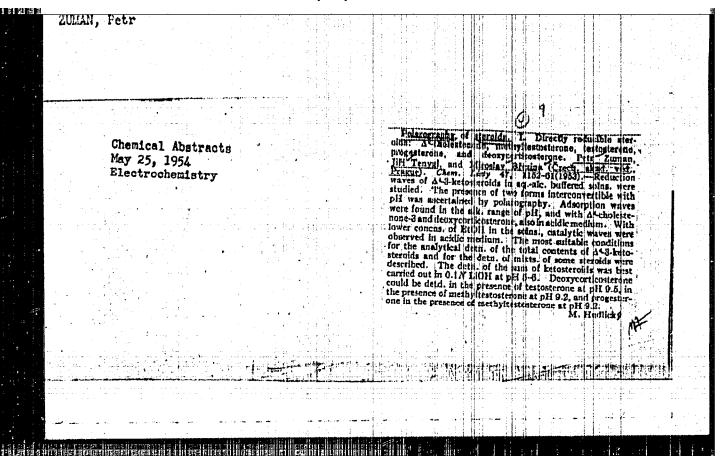
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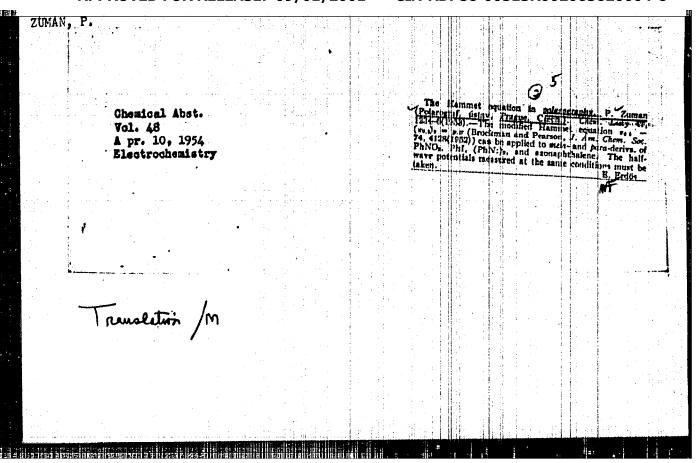
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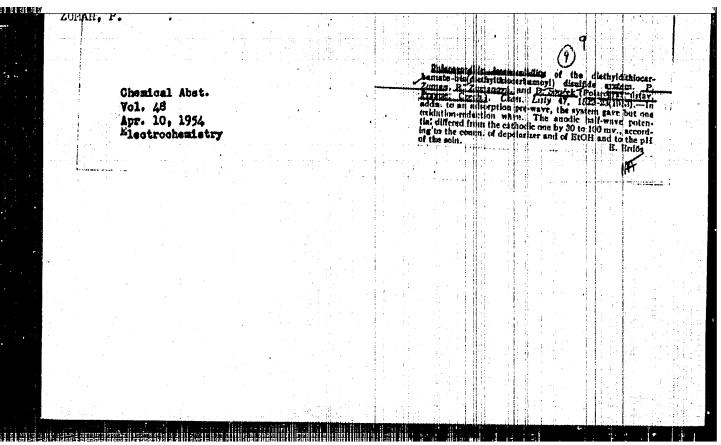


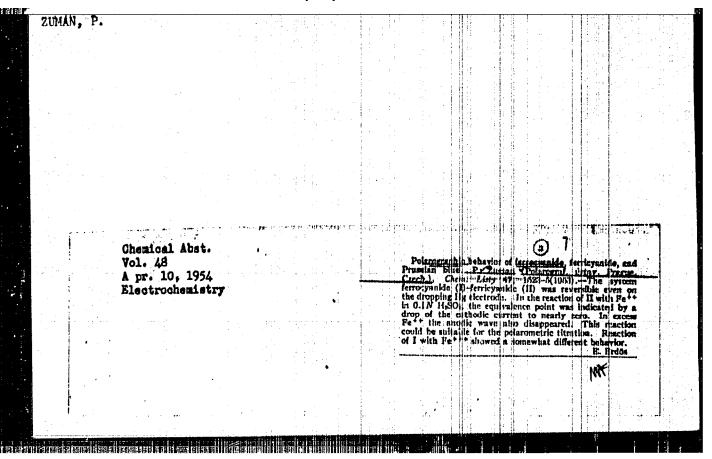








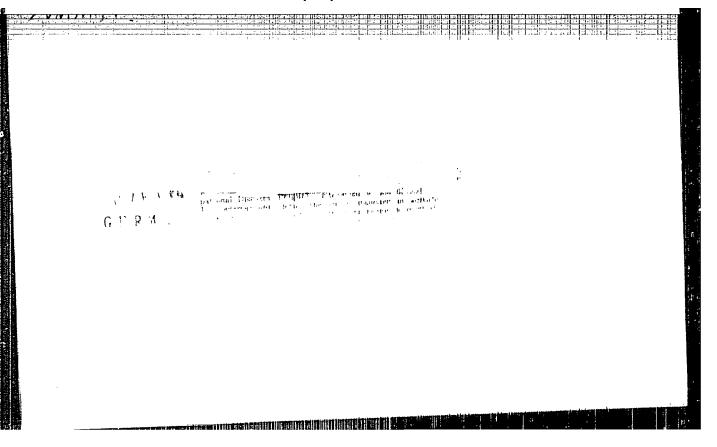




ZUMAN, P.

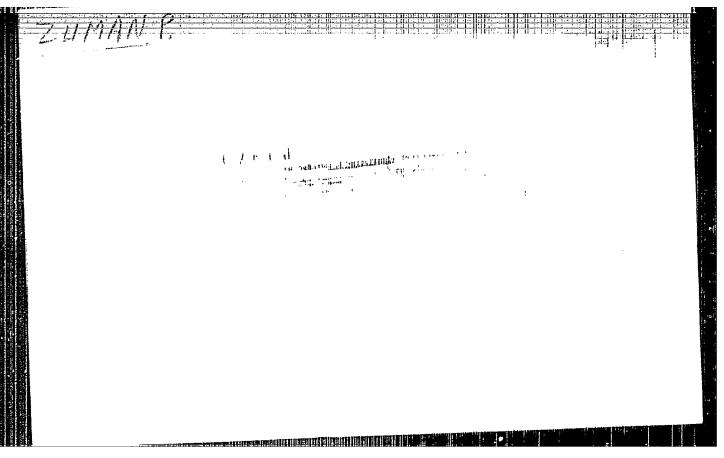
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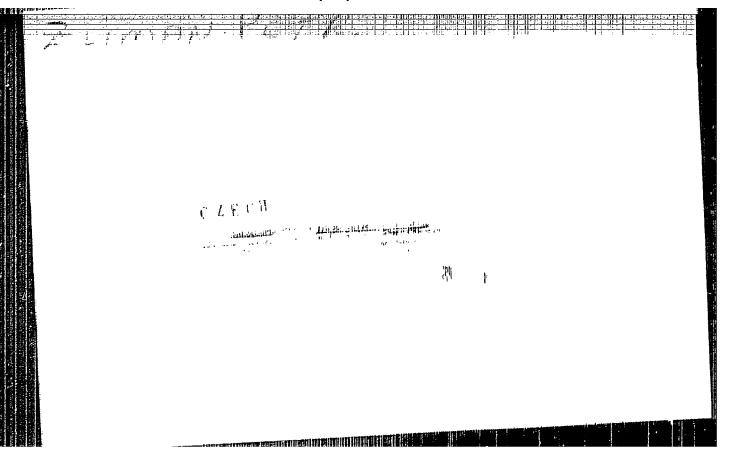
Praha, Nakl. Ceskoslovenske akademie ved, 1954. p. 63. (Ceskoslovenska akademie ved. Mala kmiznice chemickych listr. Sekce chemicka, sv. 1) Effect of constitution on polarographic behavior of organic substances. 1st ed. bibl., diagrs., graphs, index, tables

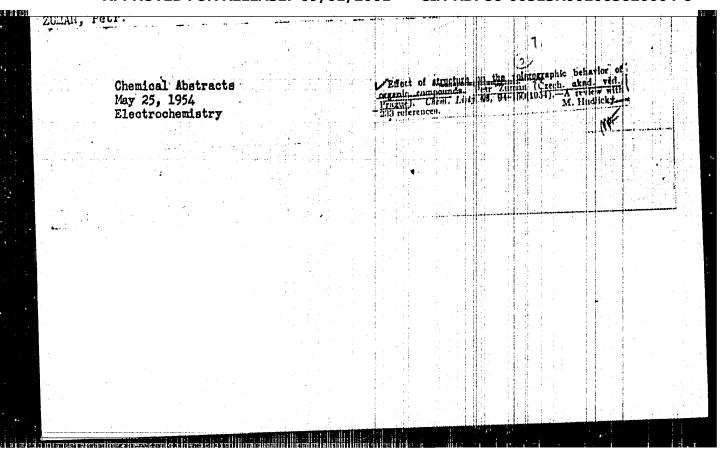


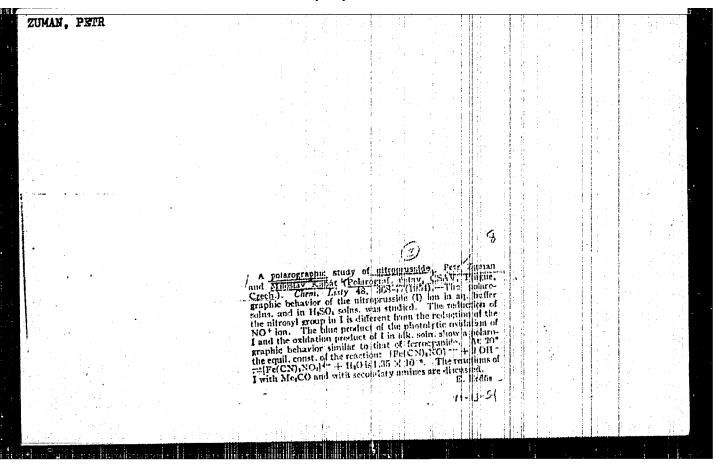
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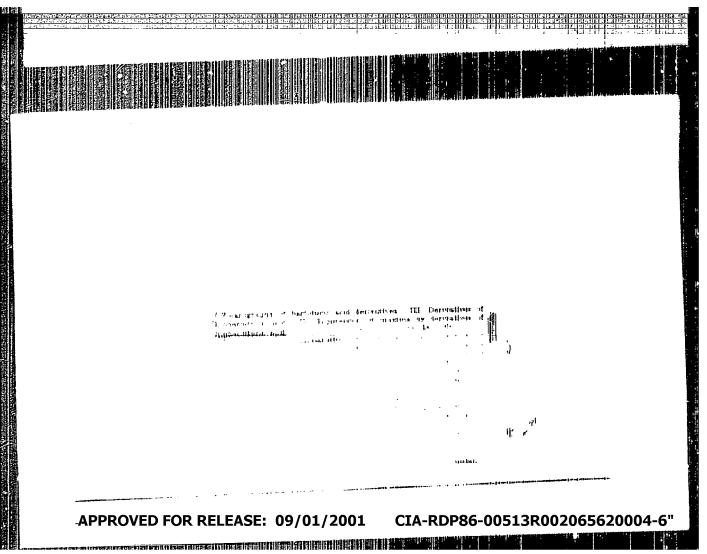
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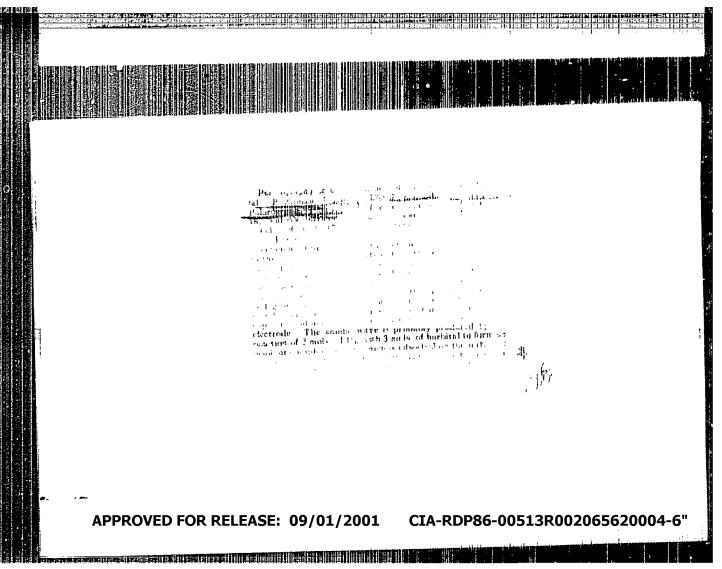












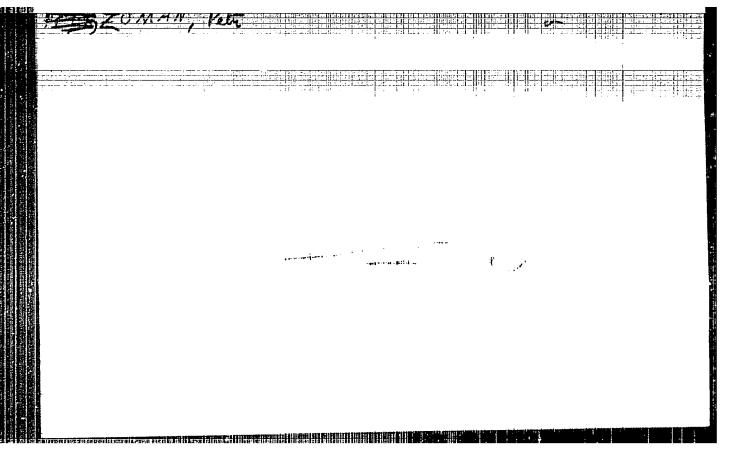
ZUMAN, P.; ZUMANOVA R.; TEISINGER, J.

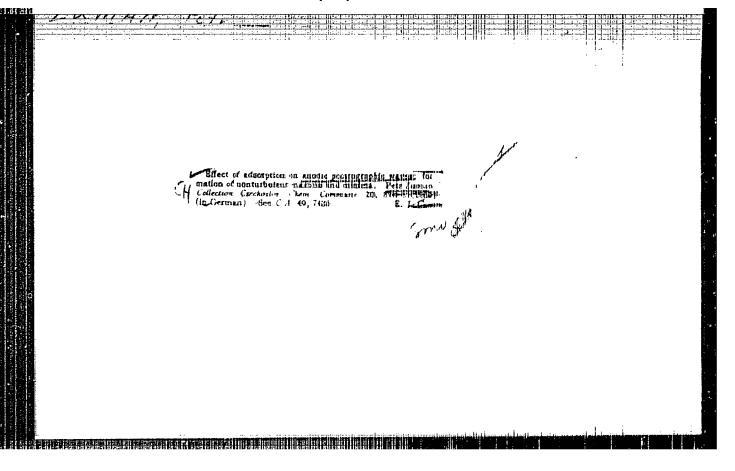
Polarography of some sulfur compounds. IV. Anodic waves of 2.3 dimercaptopropanol. In German. p. 139

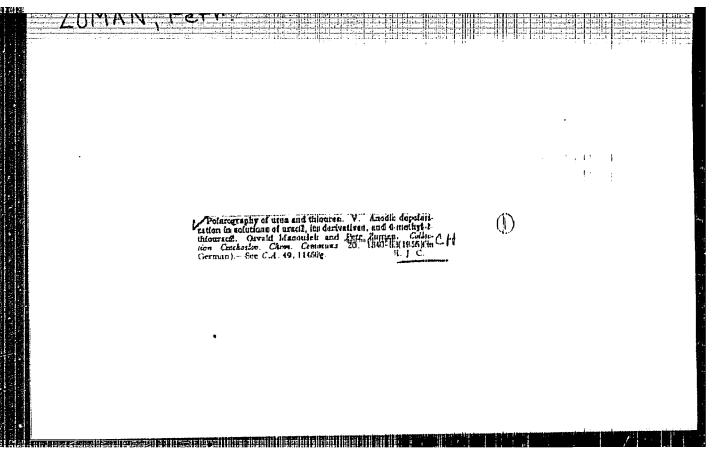
Vol. 20, no. 1, Feb. 1955 SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT Praha, Czecheslovakia

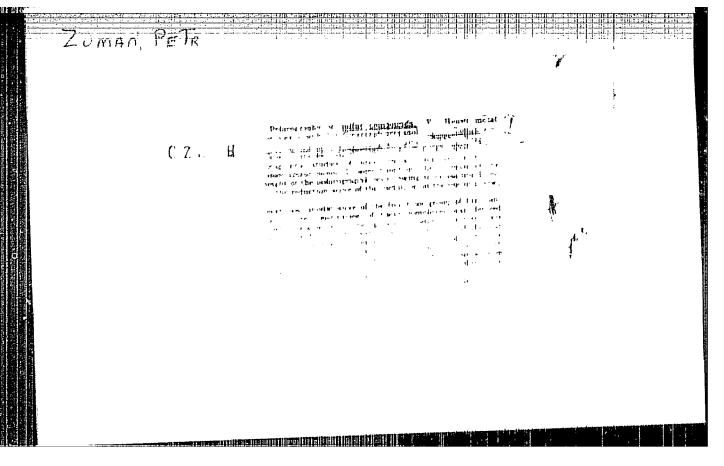
So: Eastern European Accession Vol. 5, No. 4, April 1956

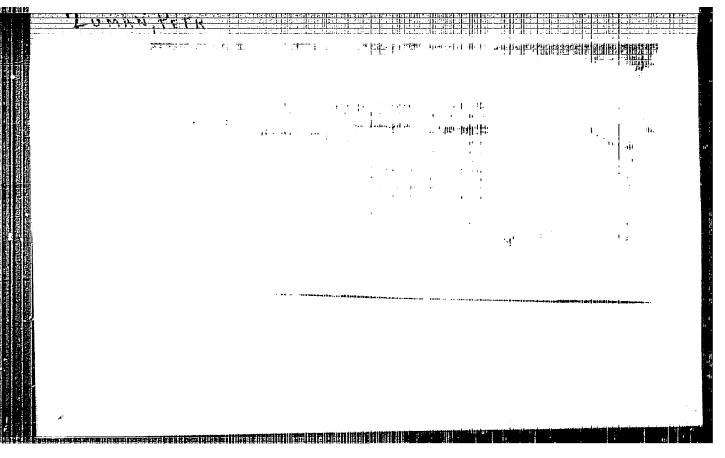
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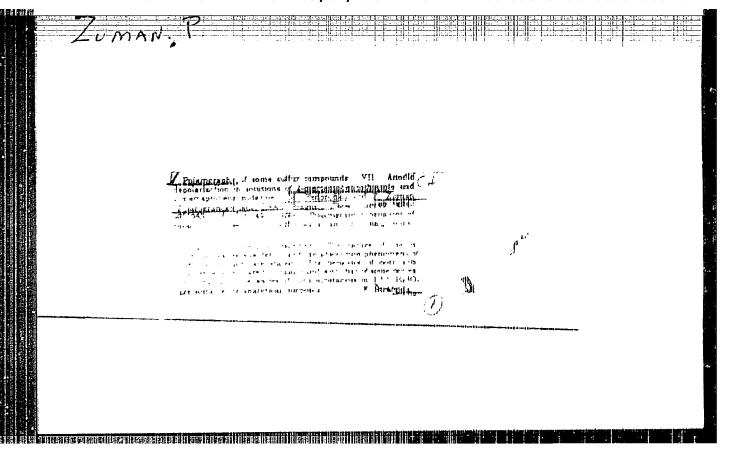












CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Ormanic 6+3 Substances Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4872 Author Manousek Osvald, Zuman Peter Title : Polarography of the Derivatives of Urea and Thiourea. IX. Polarographic Determination of Derivatives of Thiobarbituric Acid and 4-Methyl-2-Thiburacil in Medicaments Orig Pub : Ceskosl. farmac., 1956, No 4, 193-195; Pharmizie, 1956, 11, No 8, 530-533 Determiantion of derivatives of thiobarbituric acid (I) Abstract is based in dissolution of ~ 0.3 g of the preparation in 100 ml vater, 20-fold dilution with 0.1 M solution of NaOH and polarographic investigation in an atmosphere of No. The polarograph of V 301 type is equipped with a mercurosulfate electrode; haight of reservoir 75 cm, duration of fall of the drop 2.4 seconds. The results Card 1/3 - 64 -

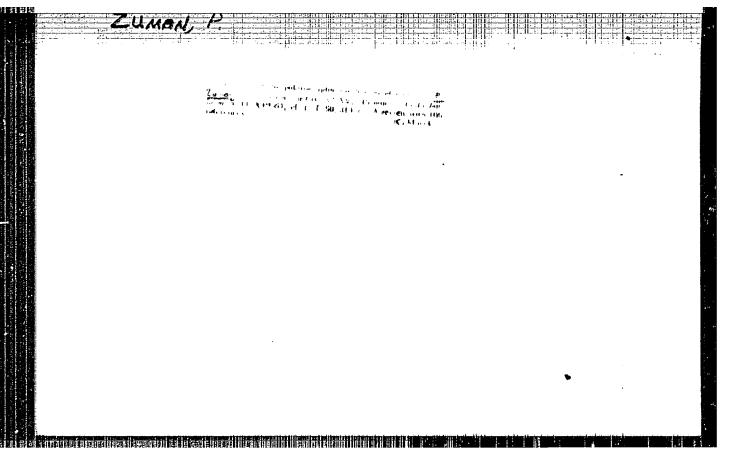
CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic G-3

Abs Jour : Referrat Zhur - Khilmiya, No 2, 1957, 4872

subjected to polarography.

In Alkyron tablets the polarographic determination showed 30.4% V, while the browate- arsenite method showed 29.8% V.

Communication VIII, see RZhKhim, 1956, 77746.



The polarographic determination of vitamins. In German. p; 279. (Acta Chimica, Vol. 9, No. 1/4, 1956, Budapest, Hungary)

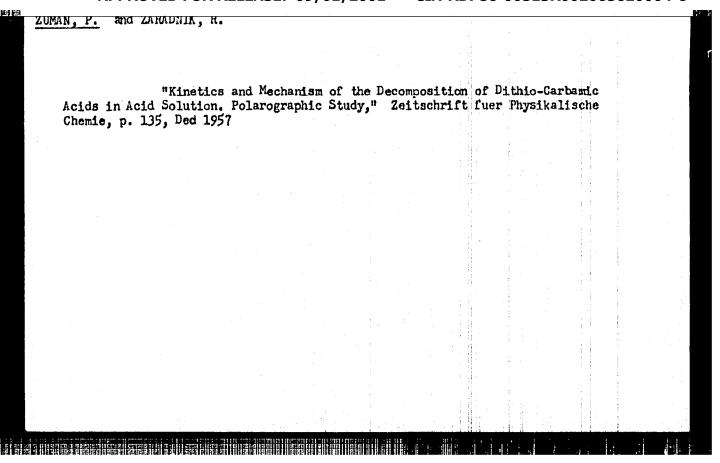
SO: Monthly List of East European Accessions (EEAL) 1C, Vol. 6, No. 8, Aug 1957. Uncl.

ZUMAN, P.

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ZUMAN, P. Polarography of some sulfur compounds. V. Complexes of 2, 3-dimercaptopropanols with heavy metals. In German. p. 123. Vol. 21, No. 1, Feb. 1956. SEORNIK CHEKHISLOVATSKIKH KHIMICHESKIKH RAFOT. COLLECTION OF CZECHISLOVAK CHEMICAL COMMUNICATIONS. Praha, CZECHOSLOVAKIA.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6, NO 4-APRIL 1957



ZUMAN, P.

Importance of buffers in analytic chemistry.

p. 172 (Chemie, Vol. 9, no. 2, Apr. 1957, Praha, Czechoslowakia)

Monthly Index of East European Accessions (EEAT) LC. Vol. 7, no. 2, February 1958

#### "APPROVED FOR RELEASE: 09/01/2001

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ZUMAN, F.

A summer school on physical chemistry in Cambridge.

p. 298. (Chemie, Vol. 9, no. 2, Apr. 1957, Freha, Czechoslovskia)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 2,

February 1:58

ZUMAN, P.

The increased number of publications on analytic chemistry issued during the years following the Second World War.

P. 609 (Chemie) Vol. 9, No. 4, Aug. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VCL. 7, NO. 1, JAH. 1958

ZUMAN, P.

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CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B

Abs Jour: Ref Zhur-Khimiya, No 19,1958, 63904

: Zumanova R; Telsinger J; Zuman P Author

: The Influence of Albumens on the Polarographic Inst

Behavior of Metals and Their Compounds with Title

2.3-Dimercaptolpropanol.

Orig Pub: Chem. zvesii, 1957, 11, No 9, 517-527

Abstract: Waves of Au, Ag, Hg, Cu, Sb, Bi, Zn, Cd and Pb are reduced in a citric buffer solution (pH 6.3) with the addition of albumin (I) during which the dependence ipr on the I concentration is exponential. These data are explained by the

Card 1/3

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 63904

Abstract: complex formation of metals (M) with (I); in addition, the Au, Ag, Hg and Bi complexes are not reducicle and in the absence of I the waves of these M disappear, while Cu, Cd and Pb complexes are reduced, and their waves are reduced with the addition of I to a somewhat limited value, which is determined by the coefficient of diffusion of these complexes. An adsorption retardation of the process simultaneously appears, which indicates the character of the ipr dependence of the reduced waves on the height of the reservoir Hg and the reduction of the Cu wave only in the limited area of potentials (trough). With the addition of I to the solutions of complexes of M with 2.3-dimercaptolpropanol (II), the M waves are also reduced but only because of the adsorption

Card 2/3

11

ZUMAN, P.; ZUMANOVA, R.

"Polarography of some sulfur compounds. XI. Oxidation and some other reactions of the 2,3-dimercaptopropanol. In German."

p. 929 (Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot.) Vol. 22, no. 3, June 1957. Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

ZUMAN, PETR

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic Substances. E-3

Abs Jour: Referat Zhur-Khimiya, Ho 5, 1958, 14234.

Author : Zuman Petr, Krupicka Josef

Inst: Polarographic Method of Studying the Interaction of Periodic

Acid with Clycols.

Orig Pub: Chem. listy, 1957, 51, No 3, 424-432.

Abstract: The method of polarographic determination of periodic acid
(I) is utilized for a continuous study of the interaction

of salts of I with glycols. The advantage of the abovestated method is its speed which permits to study the kinetics of the reaction, as well as its specific nature, small expenditures of materials and the possibility of determining of a number of substances. A vessel is described which makes it possible rapidly to add and withdraw the solutions, effect rapid and efficient agitation and to eliminate, as

Card: 1/2

CZECHCSLOVAKIA/Organic Chemistry. Theoretical and General Questions on Organic Chemistry.

0-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43207.

Author : Zuman Petr. Sicher Jiri, Krupicka Josef, Svobeda

Miroslav.

Inst

: Stereochemical Studies. VII. Oxidation of Diastereo-Title

isomeric Diols of RCH(OH)CH(OH)R' Type with Periodate.

Orig Pub: Chem. listy, 1957, 51, No 6, 1068-1081.

Abstract: Polarographic study (see Communication VI, HZhKhim,

1956, 78180) of the rate of oxidation of nine pairs of acyclic diols of RCH(OH)CHCHR' type with periodate

at different pH (2-7.9) and diol concentration (6 . 10 - 9 . 10 - 1 M). Investigated were ethylene glycol (I), three- and erythre-isomers of

: 1/3 Card

1

CZECHOSLOVAKIA/Organic Chemistry. Theoretical and General Questions on Organic Chemistry.

G-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43207.

ment taking place after the interaction of diol with NaIO4. A refutation is presented of the assumption that the determinant stage is the decomposition of the cyclic intermediate product of interaction of diol and HIO4 or IO4, direct interaction of diol with NaIO4 or ionization of diol, preceding the reaction with NaIO4. At all values of concentration and pH the three-epimers are oxidized more rapidly than erythro-epimers. Thus, from the rate of oxidation it is possible to determine the configuration of substances of this type.

Card : 3/3

**医线电话** 

2

ZUMAN, P.E. BRAUDE AND F. NACHOD

"Metermination of Organic Structures by Physical Methods; a book review. p. 1386."

p. 1386 (Chemicke Listy, Vol. 51, No. 7 July 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

#### ZUMAN, P

Czechoslovakia

Polarographic Institute, Czechoslovak Academy of Science -- Prague (Československa akademia věd -- Praha)

Prague, Collection of Czechoslovak Chemical Communications, No 9, 1962, pp 2035-2056

"Quantitative Treatments of Substituent Effects in Polarography. IV. Linear Free Energe Relationships in Quinoid Series."

ZUMAN, P; SÜE-YUAN TANG.

Czechoslovakia

Polarographic Institute, Czechoslovak Academy of Science -- Prauge; Petroleum Research Institute, Chinese Academy of Science, Talien, China - (for Tang)

Prague, Collection of Czechoslovak Chemical Communications, No 4, 1963, pp 829-837

"Fission of Activated Carbon-nitrogen and Carbonsulphur Bonds. III (PartII - for PartI see Journal 27, 187 (1962) and Reduction of the C-S Bond in Methyl Butyl Phenacyl Sulfonium Perchlorate."

2

# "APPROVED FOR RELEASE: 09/01/2001

# CIA-RDP86-00513R002065620004-6

5/081/63/000/001/029/061 B144/B186 quantitative estimation of substituent effects in polarography. II. Free energy relations in monocyclic Zuman, P. heterocyclic geries. III. Substituents in ortho-position VILLICH: Referetivnyy zhurnul. Khimiya, no. 1, 1963, 102, abstract
18712 (Collect. Czechosl. Chem. Communs, v. 27, no. 3, 1962, TITLE: 630-647; 648-666 [Eng.; summary in Russ.]) Linear relations are suggested for the dependence of E1/2 shifts PERIODICAL: in monocyclic heterocyclic compounds on the changes in their structure. The following cases are considered: (1) the heterocyclic ring is reduced, The lower cases are considered; (1) one negarocyclic rink effect is whereby the substituent is either directly in the rink; or its effect is transmitted through the benzene ring (the substituent being in meta- or TEXT: II. para-position); (2) a group in the side chain is reduced, whereby the effect of the substituent is transmitted either through the heterocyclic ring, or the nature of the heterocyclic ring itself affects the reduction, Card 1/2

Quantitative estimation ...

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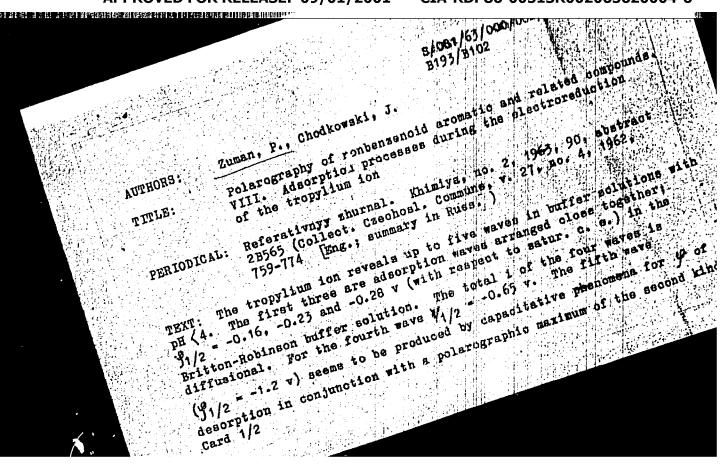
or the substituent is directly in the side chain. Examples of compounds are given and equations are suggested for each of the cases discussed. III. For ortho-substituted compounds of the aromatic series, Hammett's equation cannot be used; Taft's equation is suitable for estimating the effect of ortho-substituents. This equation was applied for establishing the connection between the nature of the ortho-substituent and  $E_{1/2}$ . It

is also suggested that an estimation of this effect, be based on the value of the "ortho-shift"

 $\Delta = E_{1/2}^{0-X} - E_{1/2}^{p=X}$  (the superscripts indicate that the substituent X is

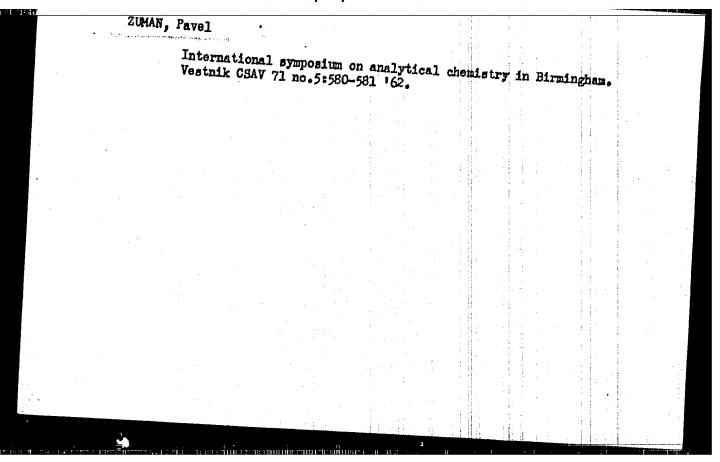
in ortho- or para-position). Based on these conceptions, frequent cases of the effect of ortho-substituents are considered, which are connected with the disturbance of the coplanarity of the molecule and with the formation of an intramolecular hydrogen bond. Communication I see RZhKhim 1962, 5B515. [Abstracter's note: Complete translation.]

Card 2/2



Polarography of nonbensenoid ... S/061/65/000/002/013/088

The first adsorption wave corresponds to plane orientation; theoretically 29 A<sup>2</sup> cathode surface govers one be pragram ring of corresponds to a different semi-molecular layer. For the fourth wave orresponds to the formation of a desorbed (see also RZhKhim, 1959, no. 9, 50670). Por commun. VII see RZhKhim, 1962, 6B531, ./Abstracter's note: Complete translation.]



CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Organic

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77364.

Author : Zurvan P., Krupicka J.

Title

: A Polarographic Method for the Study of Glycol Fission by Periodic Acid.

Orig Pub: Collect. czechosl. chem. commun., 1958, 23, No 4,

Abstract: See RZhKhin, 1958, 14234.

Card : 1/1

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	Country Category Abs. Jour.	Czechoslovakia · G-1 Organic Chemistry. Theoretical Organic Chemistry
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	Author	Zumen. P. Sieben * 19286
	Institut.	Zumen, P.; Sicher, J.; Krupicka, J.; Svoboda, M.
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	Orig Pub.	Collect. czechogi obc.
		No 7, 1237-1251 chem. commun., 1958, 23,
	Abstract	: See RZhKhim, 1958, 43207.
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CZECHOSLOVAKIA / Physical Chemistry. Kinotics. bustion. Explosives. Topochemistry. B+9 Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 76707.

Author : Zahradnik, Ri and Zuman, P. : Not given.

Title : Carbamates, Monothiocarbamates, and Dithiocarbamates. VIII. A Polarographic Study of the Kinetics and of the Mechanism of the Decomposi-

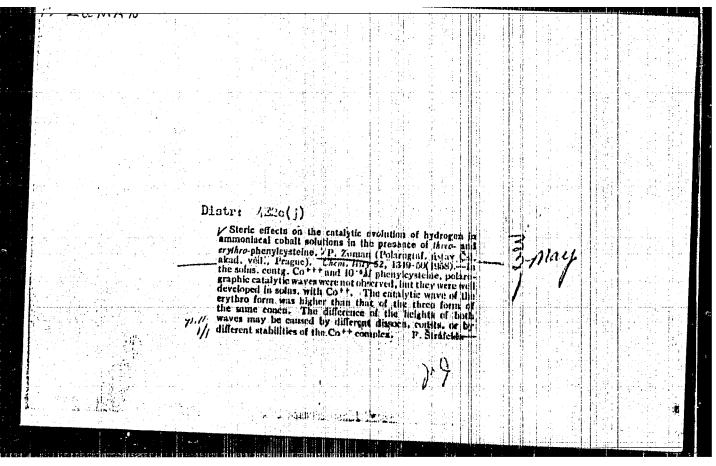
tion of Dithiocarbamic Acids in Acid Medium.

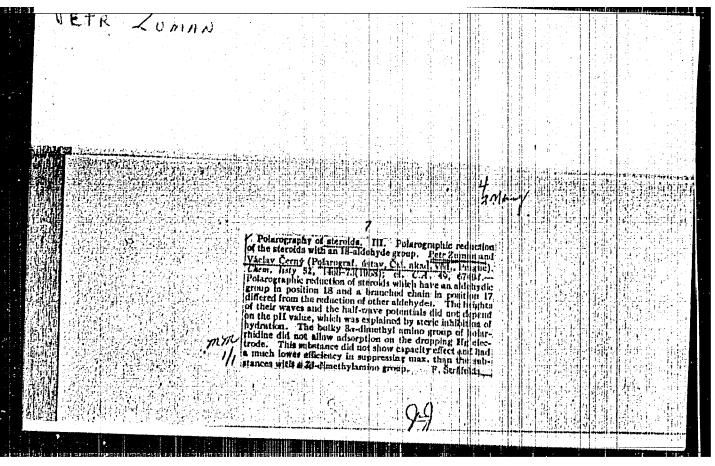
Orig Pub: Chem Listy, 52, No 2, 231-242 (1958) (in Czech).

Abstract: The mochanism of the decomposition of nine monoalkyl- and nine dialkyldithiocarbamates has been investigated as a function of /H/7. The rate

constant k for the decomposition has the form k' = k/H/7/(/H/7 / K), where k' is the apparent

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ZUMAN, P.											
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ZUMAN, P. ; MANOUSEK, O.

Polarography of derivatives of urea and thioures. V. Amodic depolarisation in solutions of uracil, it derivatives, and h-methyl-2-thiouracil. p. 668

CHIMICKE LISTY (Ceskaslovenska akademic ved. Ceskaslovensak spolecnost chemicks) Praha, Czechoslavaskia. Vol. 19, no. 5, May 1955

Monthly List of East European Accessions (EEAI) LC. Vol. 9/1960

ZUMAN, P.; ZUMANOVA, R.

Polarography of some sulfur compounds. V. Complexes of 2, 3,- dimercapto-propanol with heavy metals. p. 652.

CHIMICKE LISTY (Ceskaslovenska akademic ved. Ceskaslovensak spolecnost chemicks) Praha, Czechoslavakia. Vol. 49, no. 5, May, 1955

Monthly List of East European Accessions (EEAI) IC, Vol. 9/1960 Uncl.

# ZUMAN, P. Steric effects in the polarography of organic compounds. p. 154. CHEMICKE LISTY. (Geskoslovenska akademie ved. Chemicky ustav) Praha, Czechoslovakia, Vol. 53, no. 2, Feb. 1959. Monthly List of East European Accessions (EEAI), IC, Vol. 8, no. 11, Nov. 1959 uncl.

	CATEGORY	3 GDR B-1	4
	ABS. JOUR.	: RZKhim., No. 5 1960, No. 1717	4
	NUTHOR INST. TITLE	<ul> <li>Zuman, P.</li> <li>Not given</li> <li>Steric Effects in the Polarography of Organic Compounds</li> </ul>	
•	ORIG. PUB.	: Chem Listy, 53, No 2, 15/-165 (1959)	
	ABSTRACT	A review article with a bibliography listing 58 titles.	
		S. 2hdanov	
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	CARD: 1/1		

CARSKY, P.; ZUMAN, P.; HORKK, V.

Fission of activated a rhom-nitrogen and carbon-cullebur bonds.
Pt. 5. Coll Cz Chem 2 no.12:30/A-3056 D 161.

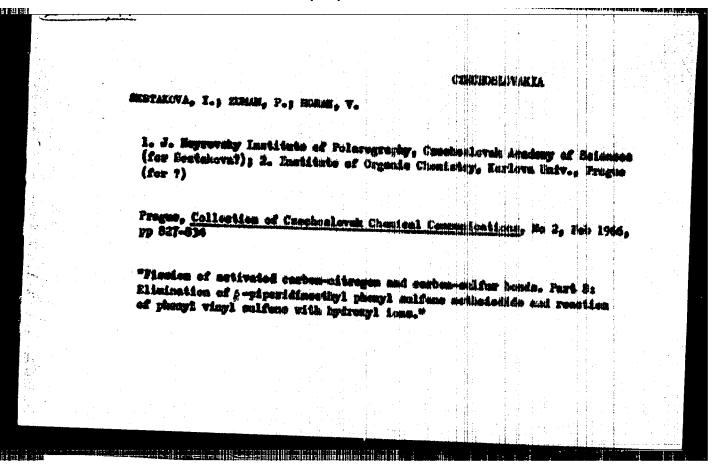
1. J. Heyrcvsky Institute of Folarography of the Czenkoslovek Academy of Sciences, and Espantement of Organic Chemistry of Charles University, Prague. 2. Editorial Fourth Member, "Collection of Czechoslovak Cherical Communications" (for Essan).

ZUMAN, P.; MANOUSEK, O.; HORAK, V.

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Fission of activated carbon-nitrogen and carbon-aclphur bonds. Pt.6. Coll Cz Chem 29 no.12:2906-2912 D '64.

1. Jaroslav Heyrovsky Institute of Folarography of the Czechoslovak Academy of Sciences, and Institute of Organic Chemistry of Charles University, Prague. 2. Editorial Found Member, "Collection of Czechoslovak Chemical Communications" (for Zuman).



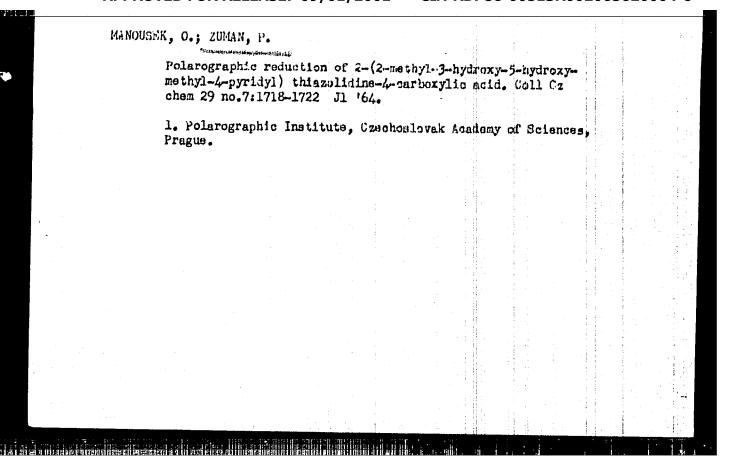
CARSAT, P., MINAN, P., MHARE, V.

1. J. Hayrovsky Institute of Polarography, Casishas level Academy of Ediances, Frague - (for ?): 2. Department of Organic Charactery, Karlova University, Prague - (for ?).

Prague - (for ?): 2. Department of Organic Charactery, Karlova University, Prague - (for ?).

Prague - (for ?): Department of Organic Charactery, Karlova University, Prague, Collection of Cascheslavak Charactery (productions, No. 12, Prague, 1967, pp 4116-43);

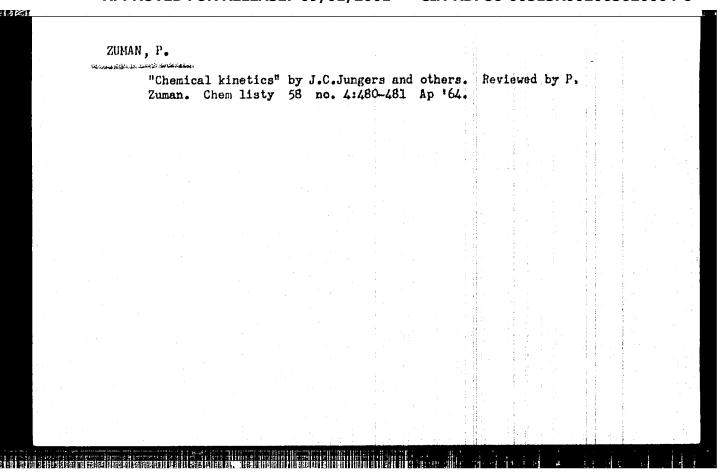
Prague - (for ?): Department of Organic Charactery (productions) in 12, Prague of Academician J. Hayrovsky).

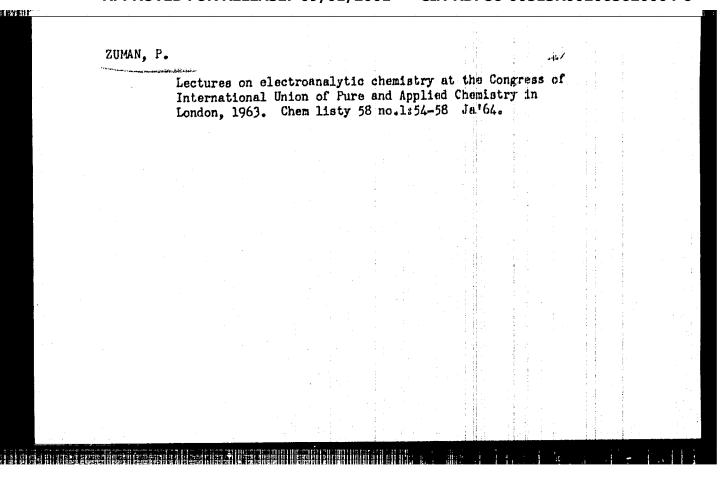


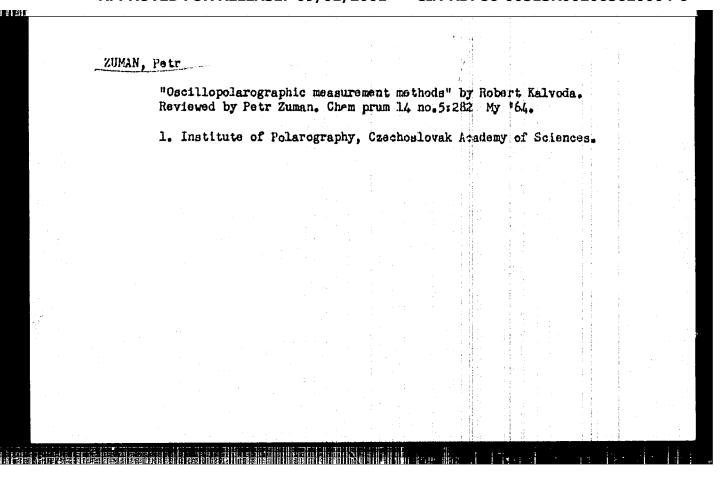
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Dien 29 no.912125-2133 3 764.

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of Hairnous, Bratislava (France address for Federonke).



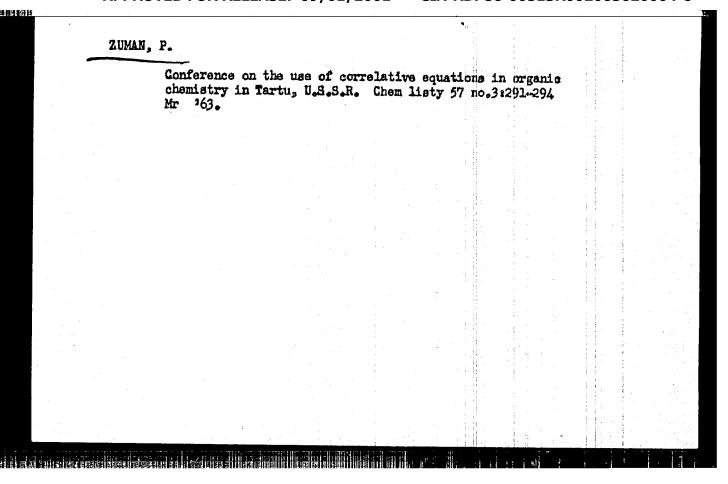


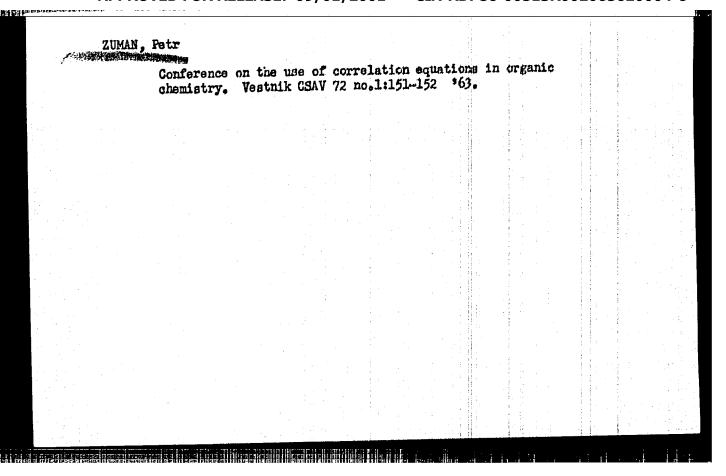


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# SUE-YUAN TANG; ZUMAN, P. A new type of maximum on the limiting current of the reduction wave of phenacyl sulfonium ions. Goll Ca Chem 28 no.6:1524-1534 Je '63. 1. Polarographic Institute, Czechoslovak Academy of Sciences, Prague (for Zuman). 2. Petroleum Research Institute, Chinese Academy of Sciences, Talien, China (for Sue-Yuan Tang).

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COUNTRY : Czechsoslovakia B-9
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ABS. JOUR. : AZKhim., No. 23 1959, No. 81371

AUTHOR : Zahradnik R.; Zuman P.
THOT. : Not given
TITLE : Carbaminate, Monothicarbaminates and Dithiocarbaminates. VIII. Polarographic Studies of the Kinetics and Mechanism of Dithiocarbaminates. Collect. Czechosl. Chem. Communs., 1959, 24, f4, 1132-1145.

ABSTRACT : See RZEhim, 1958, #23, 76707.

CARD: 1/1

\* carbaminic Acids Decomposition in the Acid Medium

ZIMAN, P., and others.

"Stereochemical studies. VII. Oxidation of diastereolsomeric diels of the type R.CH(OH). CH(OH). R! with periodate."

p. 1068 (Chemicke Listy, Vol. 51, no. 6, June 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

ZUMAN, P.

F 1 1 1 2 1 2 1 2 1

"Mechanism of homogenous reactions of organic matter. II. Methods of the reaction kinetics. (Conclusion)"

p. 482 (Chemie, Vol. 10, no. 6, June 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9, September 1958

ZUMAN, P.

PHASE I BOOK EXPLOITATION

CZECH/2435

24(2,4)

International Polarographic Congress. 1st, Prague, 1951

Sborník I. Mezinarodního polarografického sjezdu. Dil 3: Hlavni referaty prednesene na sjezdu. Proceedings...Vol 3: Reviews
Read at the Congress. Praha, Přírodovědecke vyd-ví [1952] 774 p. 2,000 copies printed.

Resp. Ed.: Jiří Koryta, Doctor; Chief Ed. of Publishing House: Milan Skalník, Doctor; Tech. Ed.: Oldřich Dunka.

PURPOSE: The book is intended for chemists, chemical engineers, and physicists.

COVERAGE: The book is a collection of reviews and original papers read at the International Polarographic Congress held in Prague in 1951. Uses of polarography in organic and inorganic analysis, biochemistry, medicine, and industrial chemistry are discussed. In the section, Reviews Read at the Congress, Russian and either German or English translations of each review are presented. In the section, Original Papers Read at the Congress, only those translations in Russian, German, and English which

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have not been published in V following scientists partici Congress: Professor Wiltor of Sciences, Warsaw; Doctor of Planning; Professor Jaros the Congress; and Professor of the Center for Scientific Development. References for	Kemula, Dean Jaromir Dol Lav Herovsky Jaroslav Fuk	ansky, Minis Chairmen ( Catko, Chair nd Technical	of man	
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